

WHAT IS CLAIMED IS:

1. A reflection type liquid crystal display, comprising:

a light source part for generating a light beam;

5 a light guiding part established at one side of the light source part, for guiding the light beam generated from the light source part uniformly; and

an LCD panel part disposed below the light guiding part, for forming an image.

2. The reflection type liquid crystal display of claim 1, wherein said light part source comprises:

a light source for generating a light beam; and

a first light guiding plate disposed at one side of the light source, for inducing the light beam generated from the light source toward the light guiding part.

15 3. The reflection type liquid crystal display of claim 2, wherein the light source comprises an LED.

4. The reflection type liquid crystal display of claim 2, wherein the first light

guiding plate further comprises a first pattern part for allowing the light beam generated from the light source to be uniformly incident onto the light guiding part.

5 5. The reflection type liquid crystal display of claim 4, wherein the first pattern part is formed at a corresponding face of the first light guiding plate corresponding to an adjacent face of the first light source plate adjacent to the light guiding part.

6 6. The reflection type liquid crystal display of claim 4, wherein the first pattern part comprises a plurality of groove patterns.

7 7. The reflection type liquid crystal display of claim 6, wherein the groove pattern is a triangle in its sectional shape.

8 8. The reflection type liquid crystal display of claim 7, wherein the groove pattern comprises a vertex whose acute angle is approximately 90 degrees.

9 9. The reflection type liquid crystal display of claim 1, wherein the light guiding part comprises a second light guiding plate for inducing the light beam generated from the

light source part toward the LCD panel part.

10. The reflection type liquid crystal display of claim 9, wherein the light guiding part comprises a second pattern part that reflects a part of the light beam input from the light source part toward the LCD panel and transmits a part of the light beam reflected from the LCD panel.

11. The reflection type liquid crystal display of claim 10, wherein the second pattern part is formed at a selected portion of the second light guiding plate which is opposite to a face of the second light guiding plate adjacent to the LCD panel part.

12. The reflection type liquid crystal display of claim 10, wherein the second pattern part comprises a pattern that is inclined by an angle of 20 degrees to 30 degrees along the light guiding part direction with respect to an axis of a contact face between the light source part and the light guiding part.

13. The reflection type liquid crystal display of claim 10, wherein the second pattern part comprises a plurality of prism-shaped patterns arranged in parallel along a

selected direction, each of the plurality of the prism-shaped patterns having a transparent face disposed adjacent to the light source part, for transmitting the light beams which are reflected from the LCD panel part and a reflective face corresponding to the transparent face, for reflecting toward the LCD panel part the light beams which are incident from the light source part.

14. The reflection type liquid crystal display of claim 13, wherein the pattern of the second pattern part has a first acute angle formed by the transparent face of the pattern and a flat surface of the light guiding part in the range of 3.0 degrees to 3.5 degrees and a second acute angle formed by the reflective face of the second pattern and the flat surface of the light guiding part in the range of 33 degrees to 34 degrees.

15. The reflection type liquid crystal display of claim 1, further comprising a housing wrapping a part of the light source part and the light guiding part.

16. The reflection type liquid crystal display of claim 15, wherein the housing comprises a reflector formed at an inner surface of the housing, for reflecting toward the light guiding part the light beams generated from the light source.

17. The reflection type liquid crystal display of claim 15, wherein the housing is made of any one selected from a group consisting of aluminum and brass.

5 18. The reflection type liquid crystal display of claim 1, further comprising a diffusion means disposed between the light source part and the light guiding part, for allowing to have a uniform distribution light beams generated from the light source and incident onto the light guiding part.

10 19. The reflection type liquid crystal display of claim 1, further comprising an anti-reflective means disposed between the light guiding part and the LCD panel part, for preventing light beams induced from the light guiding part to the LCD panel part from being reflected by a contact face between the light guiding part and the LCD panel part.

15 20. The reflection type liquid crystal display of claim 19, wherein the anti-reflective means comprises:

a glue layer;

a first zirconium dioxide (ZrO_2) layer;

a first silicon oxide layer;

a second zirconium dioxide (ZrO_2) layer; and

a second silicon oxide layer.

- 5 21 The reflection type liquid crystal display of claim 20, wherein the anti-
reflective means is formed at a face of the light guiding part adjacent to the light LCD panel
part by depositing the second silicon oxide layer, the second zirconium dioxide layer, the
first silicon oxide layer, the first zirconium dioxide layer, and the glue layer in the named
order using a sputtering method.